



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

EPA Region 5 Records Ctr.



226761

REPLY TO THE ATTENTION OF:

DEC 01 2000

SE-5J

VIA FACSIMILE (312) 755-2750
AND U.S. MAIL

Mr. Kevin Augustyn
River East
455 East Illinois, Suite 565
Chicago, Illinois 60611

RE: Promenade near Riverview Development, Chicago, Illinois

Dear Mr. Augustyn:

On October 6, 2000, U.S. EPA conducted a radiation walkover survey of the promenade next to your Riverview Development to determine whether there were any elevated radiation readings at the surface that might indicate the presence of subsurface radioactive materials. The exact area surveyed was everything east of the Metropolitan Water Reclamation District Fountain on McClurg Court to North Lake Shore Drive and then north to the construction workers parking on North Water Street. There was one anomaly in front of the townhouse at 441 River View, a stone and the surrounding soil. This anomaly was sampled and analyzed by STS and U.S. EPA. The stone, by U.S. EPA measurements at Argonne National Laboratory, had a total radium (radium-226 + radium-228) concentration of 6.08 picoCuries per gram (pCi/g). This is slightly below our cleanup criterion at the River East and Grand Pier properties of 7.1 pCi/g. This stone also contained titanium-44 and its decay product scandium-44, which is quite anomalous to us. The titanium/scandium gamma ray spectrum for this stone was, according to Argonne, very close to that for crude oil. The soil surrounding the stone had a total radium concentration of less than 0.4 pCi/g.

Our procedure for conducting the walkover survey was to walk, with the probe about 6 inches off the ground, the entire area along parallel lines about 3 - 4 feet apart, assessing background levels by looking at the lowest readings and looking for spots and regions of elevated radiation levels.

Specific detection equipment used during this survey were a probe called a Bicron FIDLER Model G5 (S/N B089D) and the Ludlum Model 2221 survey meter (S/N 115168). This meter was calibrated on February 3, 2000.

With the exception of this stone, no areas clearly distinct from background radioactivity levels were found in the survey area. These survey results, however, do not constitute a warranty or representation by U.S.EPA that there are no hazardous substances on these properties.

If you would like to discuss this matter further, please contact me at (312) 886-3601, or Fred Micke, On-Scene Coordinator, at (312) 886-5123, or Larry Jensen, Health Physicist, at (312) 886-5026. Please direct any legal questions to Mary Fulghum, Associate Regional Counsel, at (312) 886-4683.

Sincerely,

A handwritten signature in cursive script that reads "Verneta Simon".

Verneta Simon
On-Scene Coordinator

cc: Naren Prasad, Chicago of Chicago - Department of Environment
Dan White, Kerr-McGee
Richard Berggreen, STS Consultants, Ltd.

bcc: Mary Fulghum C-14J
Larry Jensen, SE-5J
Derrick Kimbrough, SE-5J
Cathleen Martwick, C-14J
Fred Micke, SE-5J
Linda Nachowicz, SE-5J
Debbie Regel, SE-5J